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| <b>UTILITY<br/>PATENT APPLICATION<br/>TRANSMITTAL</b><br><br><small>(Only for new nonprovisional applications under 37 CFR 1.53(b))</small> |  | Attorney Docket No. <b>20140-00297-US</b>           |  |
|   |  | First Inventor <b>Emanuel Cooper</b>                |  |
|   |  | Title <b>METHOD FOR ISOTROPIC ETCHING OF COPPER</b> |  |
|   |  | Express Mail Label No.                              |  |

  

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| <b>APPLICATION ELEMENTS</b><br><br>See MPEP chapter 600 concerning utility patent application contents. | <b>ADDRESS TO:</b><br>MS Patent Application<br>Commissioner for Patents<br>P.O. Box 1450<br>Alexandria, VA 22313-1450 |
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| 1. <input checked="" type="checkbox"/> Fee Transmittal Form (e.g., PTO/SB/17)<br><small>(Submit an original, and a duplicate for fee processing)</small><br>2. <input type="checkbox"/> Applicant claims small entity status.<br><small>See 37 CFR 1.27.</small><br>3. <input checked="" type="checkbox"/> Specification <span style="float: right;">[Total Pages <b>21</b>]</span><br><small>(preferred arrangement set forth below)</small> <ul style="list-style-type: none"> <li>- Descriptive title of the invention</li> <li>- Cross Reference to Related Applications</li> <li>- Statement Regarding Fed sponsored R &amp; D</li> <li>- Reference to sequence listing, a table, or a computer program listing appendix</li> <li>- Background of the Invention</li> <li>- Brief Summary of the Invention</li> <li>- Brief Description of the Drawings (if filed)</li> <li>- Detailed Description</li> <li>- Claim(s)</li> <li>- Abstract of the Disclosure</li> </ul> 4. <input checked="" type="checkbox"/> Drawing(s) (35 U.S.C. 113) <span style="float: right;">[Total Sheets <b>8</b>]</span><br>5. Oath or Declaration <span style="float: right;">[Total Sheets <b>3</b>]</span> <ul style="list-style-type: none"> <li>a. <input checked="" type="checkbox"/> Newly executed (original or copy)</li> <li>b. <input type="checkbox"/> Copy from a prior application (37 CFR 1.63(d))<br/> <small>(for continuation/divisional with Box 18 completed)</small> <ul style="list-style-type: none"> <li>i. <input type="checkbox"/> <b>DELETION OF INVENTOR(S)</b><br/>           Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).</li> </ul> </li> </ul> 6. <input checked="" type="checkbox"/> Application Data Sheet. See 37 CFR 1.76 | 7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)<br>8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) <ul style="list-style-type: none"> <li>a. <input type="checkbox"/> Computer Readable Form (CRF)</li> <li>b. Specification Sequence Listing on:             <ul style="list-style-type: none"> <li>i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or</li> <li>ii. <input type="checkbox"/> Paper</li> </ul> </li> <li>c. <input type="checkbox"/> Statements verifying identity of above copies</li> </ul> |
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| <b>ACCOMPANYING APPLICATIONS PARTS</b>   |
| 9. <input checked="" type="checkbox"/> Assignment Papers (cover sheet & document(s))<br>10. <input type="checkbox"/> 37 CFR 3.73(b) Statement <input type="checkbox"/> Power of Attorney<br><small>(when there is an assignee)</small><br>11. <input type="checkbox"/> English Translation Document (if applicable)<br>12. <input type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input type="checkbox"/> Copies of IDS Citations<br>13. <input type="checkbox"/> Preliminary Amendment<br>14. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503)<br><small>(Should be specifically itemized)</small><br>15. <input type="checkbox"/> Certified Copy of Priority Document(s)<br><small>(if foreign priority is claimed)</small><br>16. <input type="checkbox"/> Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i).<br><small>Applicant must attach form PTO/SB/35 or its equivalent.</small><br>17. <input type="checkbox"/> Other: |

  

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation   
 ☐ Divisional   
 ☐ Continuation-in-part (CIP)   
 of prior application No.: \_\_\_\_\_

Prior application information: Examiner \_\_\_\_\_ Art Unit: \_\_\_\_\_

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

  

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| <b>19. CORRESPONDENCE ADDRESS</b>                                 |           |  |  |
| <input checked="" type="checkbox"/> Customer Number: <b>30678</b> |           | OR <input type="checkbox"/> Correspondence address below |  |
| Name  |           |  |  |
| Address   |           |  |  |
| City  | State     | Zip Code   |  |
| Country   | Telephone | Fax  |  |

  

|                   |                    |                                   |                    |
|-------------------|--------------------|-----------------------------------|--------------------|
| Name (Print/Type) | Burton A. Amernick | Registration No. (Attorney/Agent) | 24,852             |
| Signature         |                    | Date                              | September 17, 2003 |

| <b>FEE TRANSMITTAL<br/>for FY 2003</b>   |  |  |  | <b>Complete if Known</b> |                       |
|--|--|--|--|--------------------------|-----------------------|
| <i>Effective 01/01/2003, Patent fees are subject to annual revision.</i>       |  |  |  | Application Number       | Not Yet Assigned      |
| <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27 |  |  |  | Filing Date              | Concurrently Herewith |
| <b>TOTAL AMOUNT OF PAYMENT</b> (\$ ) 1,300.00                                  |  |  |  | First Named Inventor     | Emanuel Cooper        |
|  |  |  |  | Examiner Name            | Not Yet Assigned      |
|  |  |  |  | Art Unit                 | N/A                   |
|  |  |  |  | Attorney Docket No.      | 20140-00297-US        |

  

| METHOD OF PAYMENT (check all that apply)   | FEE CALCULATION (continued)   |              |              |   |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                     |      |        |      |        |   |  |              |     |              |    |  |          |          |          |          |          |   |    |      |     |                        |     |  |    |      |       |                                   |     |   |     |      |       |                                       |     |  |    |      |     |  |     |                  |    |      |     |  |     |  |  |      |     |       |        |                          |  |      |       |      |       |  |  |      |     |      |    |                                   |  |      |       |      |     |                                     |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                                |  |      |    |      |    |                                      |  |      |     |      |     |  |  |      |    |      |    |   |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |  |  |      |     |      |     |  |  |
|--|---|--------------|--------------|---|-----------------|-----------------|----------|----------|----------|----------|----------|------|------|------|--------------------|-------------------------------------|------|------|------|------|-------------------|--|------|------|------|------|------------------|---------------------------|------|------|-------|------|--------------------|--|------|------|------|------|------------------------|--|---------------------|------|--------|------|--------|---|--|--------------|-----|--------------|----|--|----------|----------|----------|----------|----------|---|----|------|-----|------------------------|-----|--|----|------|-------|-----------------------------------|-----|---|-----|------|-------|---------------------------------------|-----|--|----|------|-----|--|-----|------------------|----|------|-----|--|-----|--|--|------|-----|-------|--------|--------------------------|--|------|-------|------|-------|--|--|------|-----|------|----|-----------------------------------|--|------|-------|------|-----|-------------------------------------|--|------|-------|------|-----|--------------------------------|--|------|-----|------|-----|------------------|--|------|-----|------|-----|-----------------|--|------|-----|------|-----|--------------------------------|--|------|----|------|----|--------------------------------------|--|------|-----|------|-----|--|--|------|----|------|----|---|-------|------|-----|------|-----|---|--|------|-----|------|-----|--|--|------|-----|------|-----|--|--|------|-----|------|-----|--|--|
| <input type="checkbox"/> Check <input type="checkbox"/> Credit Card <input type="checkbox"/> Money Order <input type="checkbox"/> Other <input type="checkbox"/> None<br><input checked="" type="checkbox"/> Depos it Account<br>Deposit Account Number: <span style="border: 1px solid black; padding: 2px 20px;">50-0510</span><br>Deposit Account Name: <span style="border: 1px solid black; padding: 2px 40px;">International Business Machines Corporation</span><br>The Director is hereby authorized to: (check all that apply)<br><input checked="" type="checkbox"/> Charge fee(s) indicated below <input type="checkbox"/> Credit any overpayments<br><input checked="" type="checkbox"/> Charge any additional fee(s) during the pendency of this application<br><input type="checkbox"/> Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.  | <b>3. ADDITIONAL FEES</b><br><table border="1" style="width: 100%; border-collapse: collapse; font-size: 0.8em;"> <thead> <tr> <th colspan="2">Large Entity</th> <th colspan="2">Small Entity</th> <th rowspan="2">Fee Description</th> <th rowspan="2">Fee Paid</th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> </tr> </thead> <tbody> <tr><td>1051</td><td>130</td><td>2051</td><td>65</td><td>Surcharge - late filing fee or oath</td><td></td></tr> <tr><td>1052</td><td>50</td><td>2052</td><td>25</td><td>Surcharge - late provisional filing fee or cover sheet</td><td></td></tr> <tr><td>1053</td><td>130</td><td>1053</td><td>130</td><td>Non-English specification</td><td></td></tr> <tr><td>1812</td><td>2,520</td><td>1812</td><td>2,520</td><td>For filing a request for <i>ex parte</i> reexamination</td><td></td></tr> <tr><td>1804</td><td>920*</td><td>1804</td><td>920*</td><td>Requesting publication of SIR prior to Examiner action</td><td></td></tr> <tr><td>1805</td><td>1,840*</td><td>1805</td><td>1,840*</td><td>Requesting publication of SIR after Examiner action</td><td></td></tr> <tr><td>1251</td><td>110</td><td>2251</td><td>55</td><td>Extension for reply within first month</td><td></td></tr> <tr><td>1252</td><td>410</td><td>2252</td><td>205</td><td>Extension for reply within second month</td><td></td></tr> <tr><td>1253</td><td>930</td><td>2253</td><td>465</td><td>Extension for reply within third month</td><td></td></tr> <tr><td>1254</td><td>1,450</td><td>2254</td><td>725</td><td>Extension for reply within fourth month</td><td></td></tr> <tr><td>1255</td><td>1,970</td><td>2255</td><td>985</td><td>Extension for reply within fifth month</td><td></td></tr> <tr><td>1401</td><td>320</td><td>2401</td><td>160</td><td>Notice of Appeal</td><td></td></tr> <tr><td>1402</td><td>320</td><td>2402</td><td>160</td><td>Filing a brief in support of an appeal</td><td></td></tr> <tr><td>1403</td><td>280</td><td>2403</td><td>140</td><td>Request for oral hearing</td><td></td></tr> <tr><td>1451</td><td>1,510</td><td>1451</td><td>1,510</td><td>P etition to institute a public use proceeding</td><td></td></tr> <tr><td>1452</td><td>110</td><td>2452</td><td>55</td><td>P etition to revive - unavoidable</td><td></td></tr> <tr><td>1453</td><td>1,300</td><td>2453</td><td>650</td><td>P etition to revive - unintentional</td><td></td></tr> <tr><td>1501</td><td>1,300</td><td>2501</td><td>650</td><td>Utility issue fee (or reissue)</td><td></td></tr> <tr><td>1502</td><td>470</td><td>2502</td><td>235</td><td>Design issue fee</td><td></td></tr> <tr><td>1503</td><td>630</td><td>2503</td><td>315</td><td>Plant issue fee</td><td></td></tr> <tr><td>1460</td><td>130</td><td>1460</td><td>130</td><td>P etitions to the Commissioner</td><td></td></tr> <tr><td>1807</td><td>50</td><td>1807</td><td>50</td><td>P rocessing fee under 37 CFR 1.17(q)</td><td></td></tr> <tr><td>1806</td><td>180</td><td>1806</td><td>180</td><td>S ubmission of Information Disclosure Stmt</td><td></td></tr> <tr><td>8021</td><td>40</td><td>8021</td><td>40</td><td>R ecording each patent assignment per property (times number of properties)</td><td>40.00</td></tr> <tr><td>1809</td><td>750</td><td>2809</td><td>375</td><td>Filing a submission after final rejection (37 CFR 1.129(a))</td><td></td></tr> <tr><td>1810</td><td>750</td><td>2810</td><td>375</td><td>F or each additional invention to be examined (37CFR 1.129(b))</td><td></td></tr> <tr><td>1801</td><td>750</td><td>2801</td><td>375</td><td>R equest for Continued Examination (RCE)</td><td></td></tr> <tr><td>1802</td><td>900</td><td>1802</td><td>900</td><td>R equest for expedited examination of a design application</td><td></td></tr> </tbody> </table> | Large Entity |              | Small Entity  |                 | Fee Description | Fee Paid | Fee Code | Fee (\$) | Fee Code | Fee (\$) | 1051 | 130  | 2051 | 65                 | Surcharge - late filing fee or oath |      | 1052 | 50   | 2052 | 25                | Surcharge - late provisional filing fee or cover sheet |      | 1053 | 130  | 1053 | 130              | Non-English specification |      | 1812 | 2,520 | 1812 | 2,520              | For filing a request for <i>ex parte</i> reexamination |      | 1804 | 920* | 1804 | 920*                   | Requesting publication of SIR prior to Examiner action |                     | 1805 | 1,840* | 1805 | 1,840* | Requesting publication of SIR after Examiner action |  | 1251         | 110 | 2251         | 55 | Extension for reply within first month |          | 1252     | 410      | 2252     | 205      | Extension for reply within second month |    | 1253 | 930 | 2253                   | 465 | Extension for reply within third month |    | 1254 | 1,450 | 2254                              | 725 | Extension for reply within fourth month |     | 1255 | 1,970 | 2255                                  | 985 | Extension for reply within fifth month |    | 1401 | 320 | 2401   | 160 | Notice of Appeal |    | 1402 | 320 | 2402   | 160 | Filing a brief in support of an appeal |  | 1403 | 280 | 2403  | 140    | Request for oral hearing |  | 1451 | 1,510 | 1451 | 1,510 | P etition to institute a public use proceeding |  | 1452 | 110 | 2452 | 55 | P etition to revive - unavoidable |  | 1453 | 1,300 | 2453 | 650 | P etition to revive - unintentional |  | 1501 | 1,300 | 2501 | 650 | Utility issue fee (or reissue) |  | 1502 | 470 | 2502 | 235 | Design issue fee |  | 1503 | 630 | 2503 | 315 | Plant issue fee |  | 1460 | 130 | 1460 | 130 | P etitions to the Commissioner |  | 1807 | 50 | 1807 | 50 | P rocessing fee under 37 CFR 1.17(q) |  | 1806 | 180 | 1806 | 180 | S ubmission of Information Disclosure Stmt |  | 8021 | 40 | 8021 | 40 | R ecording each patent assignment per property (times number of properties) | 40.00 | 1809 | 750 | 2809 | 375 | Filing a submission after final rejection (37 CFR 1.129(a)) |  | 1810 | 750 | 2810 | 375 | F or each additional invention to be examined (37CFR 1.129(b)) |  | 1801 | 750 | 2801 | 375 | R equest for Continued Examination (RCE) |  | 1802 | 900 | 1802 | 900 | R equest for expedited examination of a design application |  |
| Large Entity   |   | Small Entity |              | Fee Description   | Fee Paid        |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                     |      |        |      |        |   |  |              |     |              |    |  |          |          |          |          |          |   |    |      |     |                        |     |  |    |      |       |                                   |     |   |     |      |       |                                       |     |  |    |      |     |  |     |                  |    |      |     |  |     |  |  |      |     |       |        |                          |  |      |       |      |       |  |  |      |     |      |    |                                   |  |      |       |      |     |                                     |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                                |  |      |    |      |    |                                      |  |      |     |      |     |  |  |      |    |      |    |   |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |  |  |      |     |      |     |  |  |
| Fee Code   | Fee (\$)  | Fee Code     | Fee (\$)     |   |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                     |      |        |      |        |   |  |              |     |              |    |  |          |          |          |          |          |   |    |      |     |                        |     |  |    |      |       |                                   |     |   |     |      |       |                                       |     |  |    |      |     |  |     |                  |    |      |     |  |     |  |  |      |     |       |        |                          |  |      |       |      |       |  |  |      |     |      |    |                                   |  |      |       |      |     |                                     |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                                |  |      |    |      |    |                                      |  |      |     |      |     |  |  |      |    |      |    |   |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |  |  |      |     |      |     |  |  |
| 1051   | 130   | 2051         | 65           | Surcharge - late filing fee or oath   |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                     |      |        |      |        |   |  |              |     |              |    |  |          |          |          |          |          |   |    |      |     |                        |     |  |    |      |       |                                   |     |   |     |      |       |                                       |     |  |    |      |     |  |     |                  |    |      |     |  |     |  |  |      |     |       |        |                          |  |      |       |      |       |  |  |      |     |      |    |                                   |  |      |       |      |     |                                     |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                                |  |      |    |      |    |                                      |  |      |     |      |     |  |  |      |    |      |    |   |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |  |  |      |     |      |     |  |  |
| 1052   | 50  | 2052         | 25           | Surcharge - late provisional filing fee or cover sheet                      |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                     |      |        |      |        |   |  |              |     |              |    |  |          |          |          |          |          |   |    |      |     |                        |     |  |    |      |       |                                   |     |   |     |      |       |                                       |     |  |    |      |     |  |     |                  |    |      |     |  |     |  |  |      |     |       |        |                          |  |      |       |      |       |  |  |      |     |      |    |                                   |  |      |       |      |     |                                     |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                                |  |      |    |      |    |                                      |  |      |     |      |     |  |  |      |    |      |    |   |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |  |  |      |     |      |     |  |  |
| 1053   | 130   | 1053         | 130          | Non-English specification   |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                     |      |        |      |        |   |  |              |     |              |    |  |          |          |          |          |          |   |    |      |     |                        |     |  |    |      |       |                                   |     |   |     |      |       |                                       |     |  |    |      |     |  |     |                  |    |      |     |  |     |  |  |      |     |       |        |                          |  |      |       |      |       |  |  |      |     |      |    |                                   |  |      |       |      |     |                                     |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                                |  |      |    |      |    |                                      |  |      |     |      |     |  |  |      |    |      |    |   |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |  |  |      |     |      |     |  |  |
| 1812   | 2,520   | 1812         | 2,520        | For filing a request for <i>ex parte</i> reexamination                      |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                     |      |        |      |        |   |  |              |     |              |    |  |          |          |          |          |          |   |    |      |     |                        |     |  |    |      |       |                                   |     |   |     |      |       |                                       |     |  |    |      |     |  |     |                  |    |      |     |  |     |  |  |      |     |       |        |                          |  |      |       |      |       |  |  |      |     |      |    |                                   |  |      |       |      |     |                                     |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                                |  |      |    |      |    |                                      |  |      |     |      |     |  |  |      |    |      |    |   |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |  |  |      |     |      |     |  |  |
| 1804   | 920*  | 1804         | 920*         | Requesting publication of SIR prior to Examiner action                      |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                     |      |        |      |        |   |  |              |     |              |    |  |          |          |          |          |          |   |    |      |     |                        |     |  |    |      |       |                                   |     |   |     |      |       |                                       |     |  |    |      |     |  |     |                  |    |      |     |  |     |  |  |      |     |       |        |                          |  |      |       |      |       |  |  |      |     |      |    |                                   |  |      |       |      |     |                                     |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                                |  |      |    |      |    |                                      |  |      |     |      |     |  |  |      |    |      |    |   |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |  |  |      |     |      |     |  |  |
| 1805   | 1,840*  | 1805         | 1,840*       | Requesting publication of SIR after Examiner action                         |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                     |      |        |      |        |   |  |              |     |              |    |  |          |          |          |          |          |   |    |      |     |                        |     |  |    |      |       |                                   |     |   |     |      |       |                                       |     |  |    |      |     |  |     |                  |    |      |     |  |     |  |  |      |     |       |        |                          |  |      |       |      |       |  |  |      |     |      |    |                                   |  |      |       |      |     |                                     |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                                |  |      |    |      |    |                                      |  |      |     |      |     |  |  |      |    |      |    |   |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |  |  |      |     |      |     |  |  |
| 1251   | 110   | 2251         | 55           | Extension for reply within first month                                      |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                     |      |        |      |        |   |  |              |     |              |    |  |          |          |          |          |          |   |    |      |     |                        |     |  |    |      |       |                                   |     |   |     |      |       |                                       |     |  |    |      |     |  |     |                  |    |      |     |  |     |  |  |      |     |       |        |                          |  |      |       |      |       |  |  |      |     |      |    |                                   |  |      |       |      |     |                                     |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                                |  |      |    |      |    |                                      |  |      |     |      |     |  |  |      |    |      |    |   |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |  |  |      |     |      |     |  |  |
| 1252   | 410   | 2252         | 205          | Extension for reply within second month                                     |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                     |      |        |      |        |   |  |              |     |              |    |  |          |          |          |          |          |   |    |      |     |                        |     |  |    |      |       |                                   |     |   |     |      |       |                                       |     |  |    |      |     |  |     |                  |    |      |     |  |     |  |  |      |     |       |        |                          |  |      |       |      |       |  |  |      |     |      |    |                                   |  |      |       |      |     |                                     |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                                |  |      |    |      |    |                                      |  |      |     |      |     |  |  |      |    |      |    |   |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |  |  |      |     |      |     |  |  |
| 1253   | 930   | 2253         | 465          | Extension for reply within third month                                      |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                     |      |        |      |        |   |  |              |     |              |    |  |          |          |          |          |          |   |    |      |     |                        |     |  |    |      |       |                                   |     |   |     |      |       |                                       |     |  |    |      |     |  |     |                  |    |      |     |  |     |  |  |      |     |       |        |                          |  |      |       |      |       |  |  |      |     |      |    |                                   |  |      |       |      |     |                                     |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                                |  |      |    |      |    |                                      |  |      |     |      |     |  |  |      |    |      |    |   |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |  |  |      |     |      |     |  |  |
| 1254   | 1,450   | 2254         | 725          | Extension for reply within fourth month                                     |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                     |      |        |      |        |   |  |              |     |              |    |  |          |          |          |          |          |   |    |      |     |                        |     |  |    |      |       |                                   |     |   |     |      |       |                                       |     |  |    |      |     |  |     |                  |    |      |     |  |     |  |  |      |     |       |        |                          |  |      |       |      |       |  |  |      |     |      |    |                                   |  |      |       |      |     |                                     |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                                |  |      |    |      |    |                                      |  |      |     |      |     |  |  |      |    |      |    |   |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |  |  |      |     |      |     |  |  |
| 1255   | 1,970   | 2255         | 985          | Extension for reply within fifth month                                      |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                     |      |        |      |        |   |  |              |     |              |    |  |          |          |          |          |          |   |    |      |     |                        |     |  |    |      |       |                                   |     |   |     |      |       |                                       |     |  |    |      |     |  |     |                  |    |      |     |  |     |  |  |      |     |       |        |                          |  |      |       |      |       |  |  |      |     |      |    |                                   |  |      |       |      |     |                                     |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                                |  |      |    |      |    |                                      |  |      |     |      |     |  |  |      |    |      |    |   |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |  |  |      |     |      |     |  |  |
| 1401   | 320   | 2401         | 160          | Notice of Appeal  |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                     |      |        |      |        |   |  |              |     |              |    |  |          |          |          |          |          |   |    |      |     |                        |     |  |    |      |       |                                   |     |   |     |      |       |                                       |     |  |    |      |     |  |     |                  |    |      |     |  |     |  |  |      |     |       |        |                          |  |      |       |      |       |  |  |      |     |      |    |                                   |  |      |       |      |     |                                     |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                                |  |      |    |      |    |                                      |  |      |     |      |     |  |  |      |    |      |    |   |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |  |  |      |     |      |     |  |  |
| 1402   | 320   | 2402         | 160          | Filing a brief in support of an appeal                                      |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                     |      |        |      |        |   |  |              |     |              |    |  |          |          |          |          |          |   |    |      |     |                        |     |  |    |      |       |                                   |     |   |     |      |       |                                       |     |  |    |      |     |  |     |                  |    |      |     |  |     |  |  |      |     |       |        |                          |  |      |       |      |       |  |  |      |     |      |    |                                   |  |      |       |      |     |                                     |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                                |  |      |    |      |    |                                      |  |      |     |      |     |  |  |      |    |      |    |   |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |  |  |      |     |      |     |  |  |
| 1403   | 280   | 2403         | 140          | Request for oral hearing  |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                     |      |        |      |        |   |  |              |     |              |    |  |          |          |          |          |          |   |    |      |     |                        |     |  |    |      |       |                                   |     |   |     |      |       |                                       |     |  |    |      |     |  |     |                  |    |      |     |  |     |  |  |      |     |       |        |                          |  |      |       |      |       |  |  |      |     |      |    |                                   |  |      |       |      |     |                                     |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                                |  |      |    |      |    |                                      |  |      |     |      |     |  |  |      |    |      |    |   |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |  |  |      |     |      |     |  |  |
| 1451   | 1,510   | 1451         | 1,510        | P etition to institute a public use proceeding                              |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                     |      |        |      |        |   |  |              |     |              |    |  |          |          |          |          |          |   |    |      |     |                        |     |  |    |      |       |                                   |     |   |     |      |       |                                       |     |  |    |      |     |  |     |                  |    |      |     |  |     |  |  |      |     |       |        |                          |  |      |       |      |       |  |  |      |     |      |    |                                   |  |      |       |      |     |                                     |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                                |  |      |    |      |    |                                      |  |      |     |      |     |  |  |      |    |      |    |   |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |  |  |      |     |      |     |  |  |
| 1452   | 110   | 2452         | 55           | P etition to revive - unavoidable   |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                     |      |        |      |        |   |  |              |     |              |    |  |          |          |          |          |          |   |    |      |     |                        |     |  |    |      |       |                                   |     |   |     |      |       |                                       |     |  |    |      |     |  |     |                  |    |      |     |  |     |  |  |      |     |       |        |                          |  |      |       |      |       |  |  |      |     |      |    |                                   |  |      |       |      |     |                                     |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                                |  |      |    |      |    |                                      |  |      |     |      |     |  |  |      |    |      |    |   |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |  |  |      |     |      |     |  |  |
| 1453   | 1,300   | 2453         | 650          | P etition to revive - unintentional   |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                     |      |        |      |        |   |  |              |     |              |    |  |          |          |          |          |          |   |    |      |     |                        |     |  |    |      |       |                                   |     |   |     |      |       |                                       |     |  |    |      |     |  |     |                  |    |      |     |  |     |  |  |      |     |       |        |                          |  |      |       |      |       |  |  |      |     |      |    |                                   |  |      |       |      |     |                                     |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                                |  |      |    |      |    |                                      |  |      |     |      |     |  |  |      |    |      |    |   |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |  |  |      |     |      |     |  |  |
| 1501   | 1,300   | 2501         | 650          | Utility issue fee (or reissue)  |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                     |      |        |      |        |   |  |              |     |              |    |  |          |          |          |          |          |   |    |      |     |                        |     |  |    |      |       |                                   |     |   |     |      |       |                                       |     |  |    |      |     |  |     |                  |    |      |     |  |     |  |  |      |     |       |        |                          |  |      |       |      |       |  |  |      |     |      |    |                                   |  |      |       |      |     |                                     |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                                |  |      |    |      |    |                                      |  |      |     |      |     |  |  |      |    |      |    |   |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |  |  |      |     |      |     |  |  |
| 1502   | 470   | 2502         | 235          | Design issue fee  |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                     |      |        |      |        |   |  |              |     |              |    |  |          |          |          |          |          |   |    |      |     |                        |     |  |    |      |       |                                   |     |   |     |      |       |                                       |     |  |    |      |     |  |     |                  |    |      |     |  |     |  |  |      |     |       |        |                          |  |      |       |      |       |  |  |      |     |      |    |                                   |  |      |       |      |     |                                     |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                                |  |      |    |      |    |                                      |  |      |     |      |     |  |  |      |    |      |    |   |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |  |  |      |     |      |     |  |  |
| 1503   | 630   | 2503         | 315          | Plant issue fee   |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                     |      |        |      |        |   |  |              |     |              |    |  |          |          |          |          |          |   |    |      |     |                        |     |  |    |      |       |                                   |     |   |     |      |       |                                       |     |  |    |      |     |  |     |                  |    |      |     |  |     |  |  |      |     |       |        |                          |  |      |       |      |       |  |  |      |     |      |    |                                   |  |      |       |      |     |                                     |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                                |  |      |    |      |    |                                      |  |      |     |      |     |  |  |      |    |      |    |   |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |  |  |      |     |      |     |  |  |
| 1460   | 130   | 1460         | 130          | P etitions to the Commissioner  |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                     |      |        |      |        |   |  |              |     |              |    |  |          |          |          |          |          |   |    |      |     |                        |     |  |    |      |       |                                   |     |   |     |      |       |                                       |     |  |    |      |     |  |     |                  |    |      |     |  |     |  |  |      |     |       |        |                          |  |      |       |      |       |  |  |      |     |      |    |                                   |  |      |       |      |     |                                     |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                                |  |      |    |      |    |                                      |  |      |     |      |     |  |  |      |    |      |    |   |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |  |  |      |     |      |     |  |  |
| 1807   | 50  | 1807         | 50           | P rocessing fee under 37 CFR 1.17(q)  |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                     |      |        |      |        |   |  |              |     |              |    |  |          |          |          |          |          |   |    |      |     |                        |     |  |    |      |       |                                   |     |   |     |      |       |                                       |     |  |    |      |     |  |     |                  |    |      |     |  |     |  |  |      |     |       |        |                          |  |      |       |      |       |  |  |      |     |      |    |                                   |  |      |       |      |     |                                     |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                                |  |      |    |      |    |                                      |  |      |     |      |     |  |  |      |    |      |    |   |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |  |  |      |     |      |     |  |  |
| 1806   | 180   | 1806         | 180          | S ubmission of Information Disclosure Stmt                                  |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                     |      |        |      |        |   |  |              |     |              |    |  |          |          |          |          |          |   |    |      |     |                        |     |  |    |      |       |                                   |     |   |     |      |       |                                       |     |  |    |      |     |  |     |                  |    |      |     |  |     |  |  |      |     |       |        |                          |  |      |       |      |       |  |  |      |     |      |    |                                   |  |      |       |      |     |                                     |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                                |  |      |    |      |    |                                      |  |      |     |      |     |  |  |      |    |      |    |   |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |  |  |      |     |      |     |  |  |
| 8021   | 40  | 8021         | 40           | R ecording each patent assignment per property (times number of properties) | 40.00           |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                     |      |        |      |        |   |  |              |     |              |    |  |          |          |          |          |          |   |    |      |     |                        |     |  |    |      |       |                                   |     |   |     |      |       |                                       |     |  |    |      |     |  |     |                  |    |      |     |  |     |  |  |      |     |       |        |                          |  |      |       |      |       |  |  |      |     |      |    |                                   |  |      |       |      |     |                                     |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                                |  |      |    |      |    |                                      |  |      |     |      |     |  |  |      |    |      |    |   |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |  |  |      |     |      |     |  |  |
| 1809   | 750   | 2809         | 375          | Filing a submission after final rejection (37 CFR 1.129(a))                 |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                     |      |        |      |        |   |  |              |     |              |    |  |          |          |          |          |          |   |    |      |     |                        |     |  |    |      |       |                                   |     |   |     |      |       |                                       |     |  |    |      |     |  |     |                  |    |      |     |  |     |  |  |      |     |       |        |                          |  |      |       |      |       |  |  |      |     |      |    |                                   |  |      |       |      |     |                                     |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                                |  |      |    |      |    |                                      |  |      |     |      |     |  |  |      |    |      |    |   |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |  |  |      |     |      |     |  |  |
| 1810   | 750   | 2810         | 375          | F or each additional invention to be examined (37CFR 1.129(b))              |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                     |      |        |      |        |   |  |              |     |              |    |  |          |          |          |          |          |   |    |      |     |                        |     |  |    |      |       |                                   |     |   |     |      |       |                                       |     |  |    |      |     |  |     |                  |    |      |     |  |     |  |  |      |     |       |        |                          |  |      |       |      |       |  |  |      |     |      |    |                                   |  |      |       |      |     |                                     |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                                |  |      |    |      |    |                                      |  |      |     |      |     |  |  |      |    |      |    |   |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |  |  |      |     |      |     |  |  |
| 1801   | 750   | 2801         | 375          | R equest for Continued Examination (RCE)                                    |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                     |      |        |      |        |   |  |              |     |              |    |  |          |          |          |          |          |   |    |      |     |                        |     |  |    |      |       |                                   |     |   |     |      |       |                                       |     |  |    |      |     |  |     |                  |    |      |     |  |     |  |  |      |     |       |        |                          |  |      |       |      |       |  |  |      |     |      |    |                                   |  |      |       |      |     |                                     |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                                |  |      |    |      |    |                                      |  |      |     |      |     |  |  |      |    |      |    |   |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |  |  |      |     |      |     |  |  |
| 1802   | 900   | 1802         | 900          | R equest for expedited examination of a design application                  |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                     |      |        |      |        |   |  |              |     |              |    |  |          |          |          |          |          |   |    |      |     |                        |     |  |    |      |       |                                   |     |   |     |      |       |                                       |     |  |    |      |     |  |     |                  |    |      |     |  |     |  |  |      |     |       |        |                          |  |      |       |      |       |  |  |      |     |      |    |                                   |  |      |       |      |     |                                     |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                                |  |      |    |      |    |                                      |  |      |     |      |     |  |  |      |    |      |    |   |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |  |  |      |     |      |     |  |  |
| <b>1. BASIC FILING FEE</b><br><table border="1" style="width: 100%; border-collapse: collapse; font-size: 0.8em;"> <thead> <tr> <th colspan="2">Large Entity</th> <th colspan="2">Small Entity</th> <th rowspan="2">Fee Description</th> <th rowspan="2">Fee Paid</th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> </tr> </thead> <tbody> <tr><td>1001</td><td>750</td><td>2001</td><td>375</td><td>Utility filing fee</td><td>750.00</td></tr> <tr><td>1002</td><td>330</td><td>2002</td><td>165</td><td>Design filing fee</td><td></td></tr> <tr><td>1003</td><td>520</td><td>2003</td><td>260</td><td>Plant filing fee</td><td></td></tr> <tr><td>1004</td><td>750</td><td>2004</td><td>375</td><td>Reissue filing fee</td><td></td></tr> <tr><td>1005</td><td>160</td><td>2005</td><td>80</td><td>Provisional filing fee</td><td></td></tr> <tr> <td colspan="4" style="text-align: right;"><b>SUBTOTAL (1)</b></td> <td>(\$ )</td> <td>750.00</td> </tr> </tbody> </table> | Large Entity  |              | Small Entity |   | Fee Description | Fee Paid        | Fee Code | Fee (\$) | Fee Code | Fee (\$) | 1001     | 750  | 2001 | 375  | Utility filing fee | 750.00                              | 1002 | 330  | 2002 | 165  | Design filing fee |  | 1003 | 520  | 2003 | 260  | Plant filing fee |                           | 1004 | 750  | 2004  | 375  | Reissue filing fee |  | 1005 | 160  | 2005 | 80   | Provisional filing fee |  | <b>SUBTOTAL (1)</b> |      |        |      | (\$ )  | 750.00  | <b>2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE</b><br><table border="1" style="width: 100%; border-collapse: collapse; font-size: 0.8em;"> <thead> <tr> <th colspan="2">Large Entity</th> <th colspan="2">Small Entity</th> <th rowspan="2">Fee Description</th> <th rowspan="2">Fee Paid</th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> </tr> </thead> <tbody> <tr><td>1202</td><td>18</td><td>2202</td><td>9</td><td>Claims in excess of 20</td><td></td></tr> <tr><td>1201</td><td>84</td><td>2201</td><td>42</td><td>Independent claims in excess of 3</td><td></td></tr> <tr><td>1203</td><td>280</td><td>2203</td><td>140</td><td>Multiple dependent claim, if not paid</td><td></td></tr> <tr><td>1204</td><td>84</td><td>2204</td><td>42</td><td>** Reissue independent claims over original patent</td><td></td></tr> <tr><td>1205</td><td>18</td><td>2205</td><td>9</td><td>** Reissue claims in excess of 20 and over original patent</td><td></td></tr> <tr> <td colspan="4" style="text-align: right;"><b>SUBTOTAL (2)</b></td> <td>(\$ )</td> <td>510.00</td> </tr> </tbody> </table> | Large Entity |     | Small Entity |    | Fee Description                        | Fee Paid | Fee Code | Fee (\$) | Fee Code | Fee (\$) | 1202                                    | 18 | 2202 | 9   | Claims in excess of 20 |     | 1201                                   | 84 | 2201 | 42    | Independent claims in excess of 3 |     | 1203                                    | 280 | 2203 | 140   | Multiple dependent claim, if not paid |     | 1204                                   | 84 | 2204 | 42  | ** Reissue independent claims over original patent |     | 1205             | 18 | 2205 | 9   | ** Reissue claims in excess of 20 and over original patent |     | <b>SUBTOTAL (2)</b>                    |  |      |     | (\$ ) | 510.00 |                          |  |      |       |      |       |  |  |      |     |      |    |                                   |  |      |       |      |     |                                     |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                                |  |      |    |      |    |                                      |  |      |     |      |     |  |  |      |    |      |    |   |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |  |  |      |     |      |     |  |  |
| Large Entity   |   | Small Entity |              | Fee Description   |                 |                 | Fee Paid |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                     |      |        |      |        |   |  |              |     |              |    |  |          |          |          |          |          |   |    |      |     |                        |     |  |    |      |       |                                   |     |   |     |      |       |                                       |     |  |    |      |     |  |     |                  |    |      |     |  |     |  |  |      |     |       |        |                          |  |      |       |      |       |  |  |      |     |      |    |                                   |  |      |       |      |     |                                     |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                                |  |      |    |      |    |                                      |  |      |     |      |     |  |  |      |    |      |    |   |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |  |  |      |     |      |     |  |  |
| Fee Code   | Fee (\$)  | Fee Code     | Fee (\$)     |   |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                     |      |        |      |        |   |  |              |     |              |    |  |          |          |          |          |          |   |    |      |     |                        |     |  |    |      |       |                                   |     |   |     |      |       |                                       |     |  |    |      |     |  |     |                  |    |      |     |  |     |  |  |      |     |       |        |                          |  |      |       |      |       |  |  |      |     |      |    |                                   |  |      |       |      |     |                                     |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                                |  |      |    |      |    |                                      |  |      |     |      |     |  |  |      |    |      |    |   |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |  |  |      |     |      |     |  |  |
| 1001   | 750   | 2001         | 375          | Utility filing fee  | 750.00          |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                     |      |        |      |        |   |  |              |     |              |    |  |          |          |          |          |          |   |    |      |     |                        |     |  |    |      |       |                                   |     |   |     |      |       |                                       |     |  |    |      |     |  |     |                  |    |      |     |  |     |  |  |      |     |       |        |                          |  |      |       |      |       |  |  |      |     |      |    |                                   |  |      |       |      |     |                                     |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                                |  |      |    |      |    |                                      |  |      |     |      |     |  |  |      |    |      |    |   |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |  |  |      |     |      |     |  |  |
| 1002   | 330   | 2002         | 165          | Design filing fee   |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                     |      |        |      |        |   |  |              |     |              |    |  |          |          |          |          |          |   |    |      |     |                        |     |  |    |      |       |                                   |     |   |     |      |       |                                       |     |  |    |      |     |  |     |                  |    |      |     |  |     |  |  |      |     |       |        |                          |  |      |       |      |       |  |  |      |     |      |    |                                   |  |      |       |      |     |                                     |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                                |  |      |    |      |    |                                      |  |      |     |      |     |  |  |      |    |      |    |   |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |  |  |      |     |      |     |  |  |
| 1003   | 520   | 2003         | 260          | Plant filing fee  |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                     |      |        |      |        |   |  |              |     |              |    |  |          |          |          |          |          |   |    |      |     |                        |     |  |    |      |       |                                   |     |   |     |      |       |                                       |     |  |    |      |     |  |     |                  |    |      |     |  |     |  |  |      |     |       |        |                          |  |      |       |      |       |  |  |      |     |      |    |                                   |  |      |       |      |     |                                     |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                                |  |      |    |      |    |                                      |  |      |     |      |     |  |  |      |    |      |    |   |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |  |  |      |     |      |     |  |  |
| 1004   | 750   | 2004         | 375          | Reissue filing fee  |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                     |      |        |      |        |   |  |              |     |              |    |  |          |          |          |          |          |   |    |      |     |                        |     |  |    |      |       |                                   |     |   |     |      |       |                                       |     |  |    |      |     |  |     |                  |    |      |     |  |     |  |  |      |     |       |        |                          |  |      |       |      |       |  |  |      |     |      |    |                                   |  |      |       |      |     |                                     |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                                |  |      |    |      |    |                                      |  |      |     |      |     |  |  |      |    |      |    |   |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |  |  |      |     |      |     |  |  |
| 1005   | 160   | 2005         | 80           | Provisional filing fee  |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                     |      |        |      |        |   |  |              |     |              |    |  |          |          |          |          |          |   |    |      |     |                        |     |  |    |      |       |                                   |     |   |     |      |       |                                       |     |  |    |      |     |  |     |                  |    |      |     |  |     |  |  |      |     |       |        |                          |  |      |       |      |       |  |  |      |     |      |    |                                   |  |      |       |      |     |                                     |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                                |  |      |    |      |    |                                      |  |      |     |      |     |  |  |      |    |      |    |   |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |  |  |      |     |      |     |  |  |
| <b>SUBTOTAL (1)</b>  |   |              |              | (\$ )   | 750.00          |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                     |      |        |      |        |   |  |              |     |              |    |  |          |          |          |          |          |   |    |      |     |                        |     |  |    |      |       |                                   |     |   |     |      |       |                                       |     |  |    |      |     |  |     |                  |    |      |     |  |     |  |  |      |     |       |        |                          |  |      |       |      |       |  |  |      |     |      |    |                                   |  |      |       |      |     |                                     |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                                |  |      |    |      |    |                                      |  |      |     |      |     |  |  |      |    |      |    |   |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |  |  |      |     |      |     |  |  |
| Large Entity   |   | Small Entity |              | Fee Description   | Fee Paid        |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                     |      |        |      |        |   |  |              |     |              |    |  |          |          |          |          |          |   |    |      |     |                        |     |  |    |      |       |                                   |     |   |     |      |       |                                       |     |  |    |      |     |  |     |                  |    |      |     |  |     |  |  |      |     |       |        |                          |  |      |       |      |       |  |  |      |     |      |    |                                   |  |      |       |      |     |                                     |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                                |  |      |    |      |    |                                      |  |      |     |      |     |  |  |      |    |      |    |   |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |  |  |      |     |      |     |  |  |
| Fee Code   | Fee (\$)  | Fee Code     | Fee (\$)     |   |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                     |      |        |      |        |   |  |              |     |              |    |  |          |          |          |          |          |   |    |      |     |                        |     |  |    |      |       |                                   |     |   |     |      |       |                                       |     |  |    |      |     |  |     |                  |    |      |     |  |     |  |  |      |     |       |        |                          |  |      |       |      |       |  |  |      |     |      |    |                                   |  |      |       |      |     |                                     |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                                |  |      |    |      |    |                                      |  |      |     |      |     |  |  |      |    |      |    |   |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |  |  |      |     |      |     |  |  |
| 1202   | 18  | 2202         | 9            | Claims in excess of 20  |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                     |      |        |      |        |   |  |              |     |              |    |  |          |          |          |          |          |   |    |      |     |                        |     |  |    |      |       |                                   |     |   |     |      |       |                                       |     |  |    |      |     |  |     |                  |    |      |     |  |     |  |  |      |     |       |        |                          |  |      |       |      |       |  |  |      |     |      |    |                                   |  |      |       |      |     |                                     |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                                |  |      |    |      |    |                                      |  |      |     |      |     |  |  |      |    |      |    |   |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |  |  |      |     |      |     |  |  |
| 1201   | 84  | 2201         | 42           | Independent claims in excess of 3   |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                     |      |        |      |        |   |  |              |     |              |    |  |          |          |          |          |          |   |    |      |     |                        |     |  |    |      |       |                                   |     |   |     |      |       |                                       |     |  |    |      |     |  |     |                  |    |      |     |  |     |  |  |      |     |       |        |                          |  |      |       |      |       |  |  |      |     |      |    |                                   |  |      |       |      |     |                                     |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                                |  |      |    |      |    |                                      |  |      |     |      |     |  |  |      |    |      |    |   |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |  |  |      |     |      |     |  |  |
| 1203   | 280   | 2203         | 140          | Multiple dependent claim, if not paid                                       |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                     |      |        |      |        |   |  |              |     |              |    |  |          |          |          |          |          |   |    |      |     |                        |     |  |    |      |       |                                   |     |   |     |      |       |                                       |     |  |    |      |     |  |     |                  |    |      |     |  |     |  |  |      |     |       |        |                          |  |      |       |      |       |  |  |      |     |      |    |                                   |  |      |       |      |     |                                     |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                                |  |      |    |      |    |                                      |  |      |     |      |     |  |  |      |    |      |    |   |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |  |  |      |     |      |     |  |  |
| 1204   | 84  | 2204         | 42           | ** Reissue independent claims over original patent                          |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                     |      |        |      |        |   |  |              |     |              |    |  |          |          |          |          |          |   |    |      |     |                        |     |  |    |      |       |                                   |     |   |     |      |       |                                       |     |  |    |      |     |  |     |                  |    |      |     |  |     |  |  |      |     |       |        |                          |  |      |       |      |       |  |  |      |     |      |    |                                   |  |      |       |      |     |                                     |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                                |  |      |    |      |    |                                      |  |      |     |      |     |  |  |      |    |      |    |   |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |  |  |      |     |      |     |  |  |
| 1205   | 18  | 2205         | 9            | ** Reissue claims in excess of 20 and over original patent                  |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                     |      |        |      |        |   |  |              |     |              |    |  |          |          |          |          |          |   |    |      |     |                        |     |  |    |      |       |                                   |     |   |     |      |       |                                       |     |  |    |      |     |  |     |                  |    |      |     |  |     |  |  |      |     |       |        |                          |  |      |       |      |       |  |  |      |     |      |    |                                   |  |      |       |      |     |                                     |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                                |  |      |    |      |    |                                      |  |      |     |      |     |  |  |      |    |      |    |   |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |  |  |      |     |      |     |  |  |
| <b>SUBTOTAL (2)</b>  |   |              |              | (\$ )   | 510.00          |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                     |      |        |      |        |   |  |              |     |              |    |  |          |          |          |          |          |   |    |      |     |                        |     |  |    |      |       |                                   |     |   |     |      |       |                                       |     |  |    |      |     |  |     |                  |    |      |     |  |     |  |  |      |     |       |        |                          |  |      |       |      |       |  |  |      |     |      |    |                                   |  |      |       |      |     |                                     |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                                |  |      |    |      |    |                                      |  |      |     |      |     |  |  |      |    |      |    |   |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |  |  |      |     |      |     |  |  |

  

| SUBMITTED BY      |                    | Complete (if applicable)          |                    |
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